

## ABSTRACT

A Layer 2 Tunneling Protocol (L2TP) performs a sender initiated recovery algorithm (SIRA) upon receiving, from an L2TP receiver, a predefined number of packets including the same "next received" ( $Nr$ ) sequence number. The L2TP sender transmits a  
5 payload message that includes the "Reset  $Sr$ " ( $R-bit$ ) indicator, which resets the value for  $Nr$  (at the receiver) to either just beyond the first missing packet or to the current send sequence number of the sender.